Service Instructions

Oreck® ELEVATE Control™:

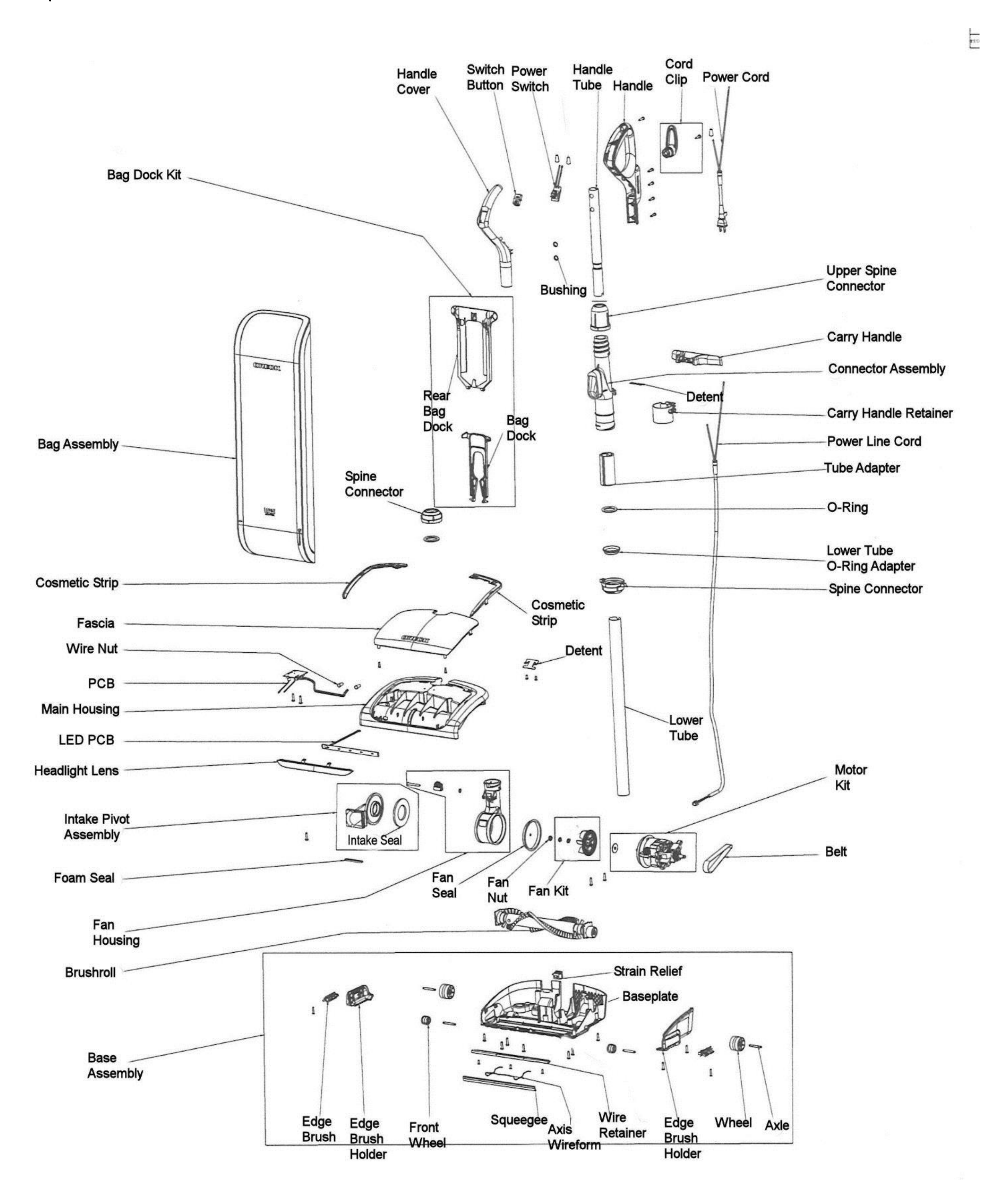
UK30100PC, UK30100, UK30100COM



Technical Service – April 2016

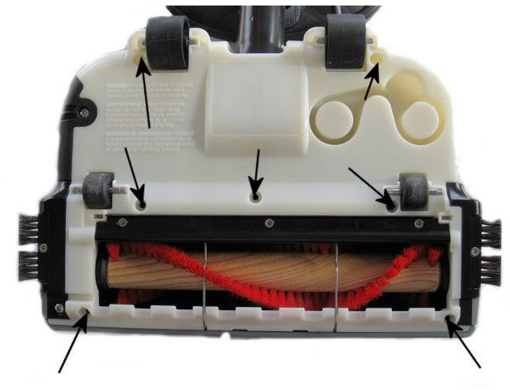
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Exploded View

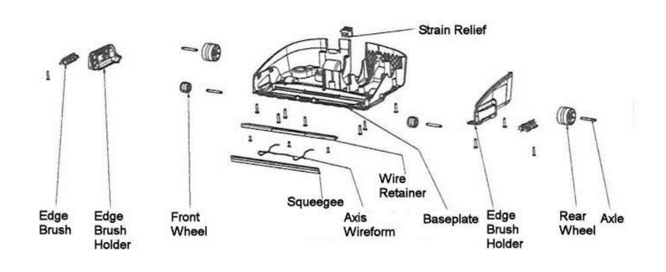


1. Base Assembly

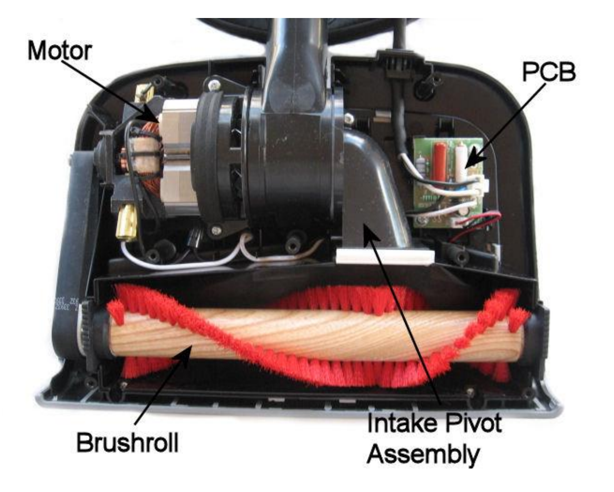
a. Remove 7 screws and lift base assembly off of unit. This requires a T20 torx driver.



b. The base is stocked as an assembly which includes the components shown below.



Once the base assembly is removed the internal components can be accessed.

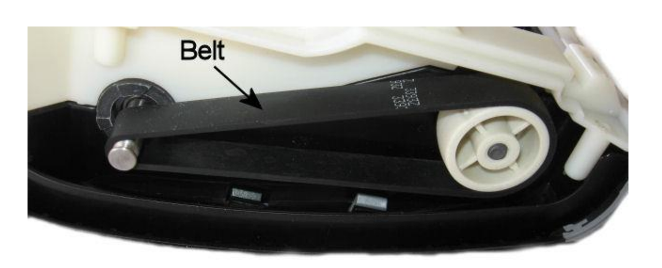


2. Belt / Brushroll

a. Remove edge brush holder to access belt – 2 screws.



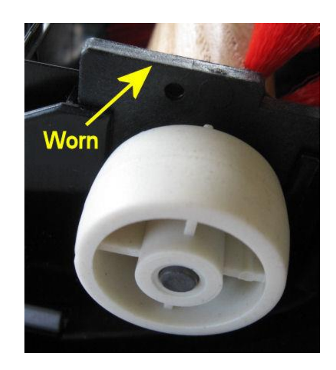
Remove belt by sliding it off of the motor shaft and brushroll pulley.



Brushroll

a. Remove base assembly – section 1.
b. Slide Brushroll out of baseplate.

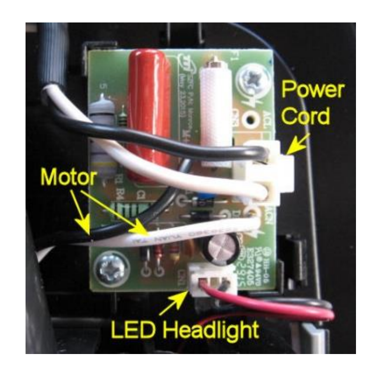
Upon reassembly position brushroll with thread guard with no notches upward for worn brushroll and notches upward for new brushroll. Both sides must be the same.





3. Motor PCB

a. Motor PCB is held in position by two screws. Terminals connections are noted.



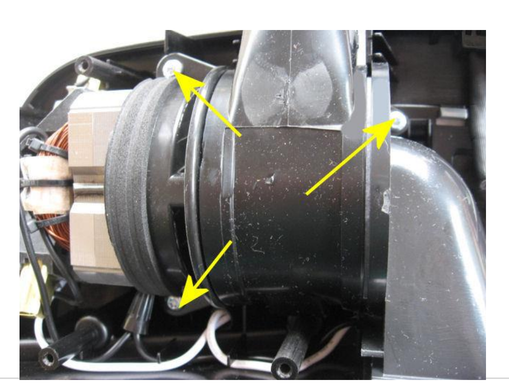
4. Motor Assembly / Intake Pivot Assembly / Fan Housing

a. Remove base assembly – section 1.

b. Separate lower handle from fan housing assembly – Rotate lower spine connector CCW to remove.



c. Remove three screws that secure motor and intake pivot assembly.



d. Lift motor / fan housing assembly out of position.

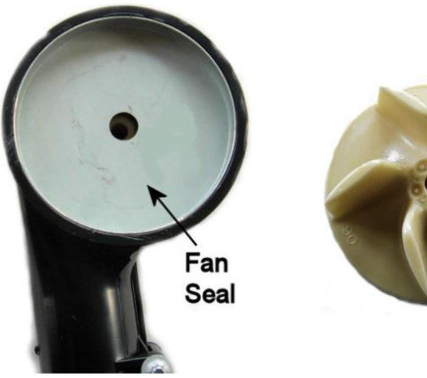
e. Disconnect motor lead wires – 2 wire connectors.

f. To separate motor and fan chamber assembly locate and remove fan nut by securing the armature shaft and turning the nut clockwise – LH Thread.

g. Slide fan housing off of motor.

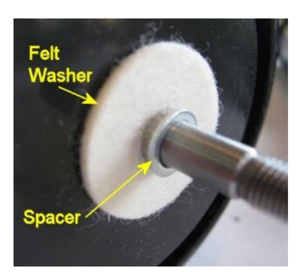
NOTE: Fan housing removal tool (part number 75377-01) and the upright collar tool (part number COLLARTOOL) are available to order – however these tools are not required to complete the disassembly.

h. Remove fan by removing fan seal – press fit.



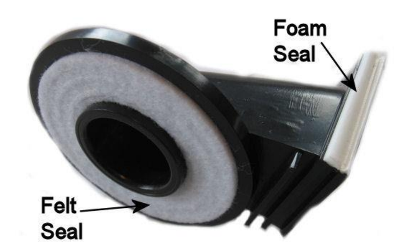


Note – felt seal and spacer must be in position on motor at reassembly.



Intake Pivot Assembly

a. Intake pivot assembly stocked with felt inlet seal. Both seals are available separately.



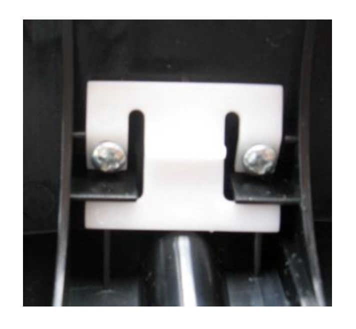
5. Handle Detent

Located under the Motor / Fan Chamber Assembly.

a. Remove base assembly – section 1.

b. Remove motor / fan chamber assembly.

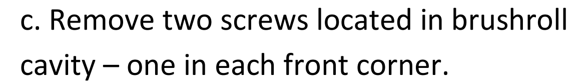
c. Remove handle detent – 2 screws.



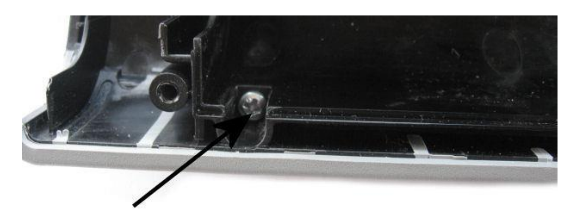
6. LED PCB

a. Remove base assembly – section 1.

b. Disconnect LED PCB connection at main PCB.

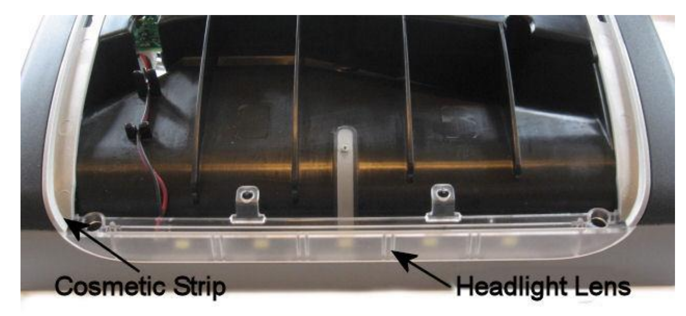


c. Remove two screws located in brushroll cavity – one in each front corner.

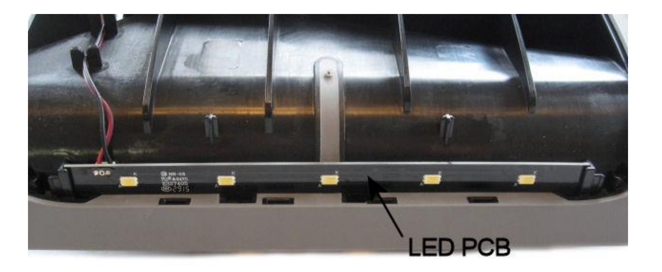


d. Turn unit over and lift upward on fascia to remove.

e. Remove headlight lens – lift up slightly on cosmetic strip to allow clearance and remove headlight lens.



f. Remove LED PCB.



7. Power PCB

a. Remove five screws shown in upper handle – one holding the cord clip.



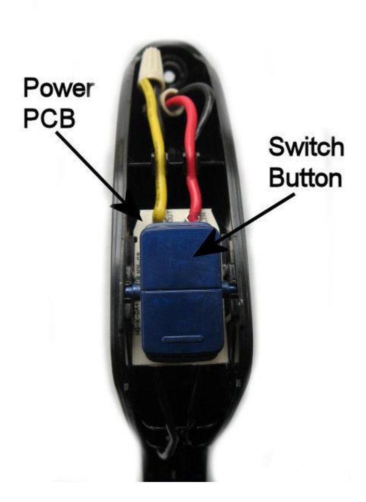
b. Remove cord clip to access sixth screw and remove.



c. Lift off handle cover.

d. Remove switch button – snap fit.

e. Disconnect yellow and red lead at terminal connections in top of handle and slightly spread handle seat to remove Power PBC.



8. Cord Assembly / Power Cord

a. Remove handle cover – section 7.

b. Locate and remove cord assembly lead wires at applicable terminals - black at top of handle and white at midpoint of handle.





c. Feed cord strain relief out of handle to remove Cord Assembly.

Power Cord

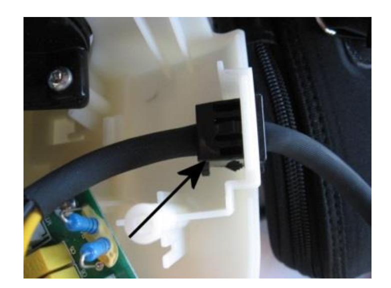
a. Remove lead wires at white and black to yellow terminals and feed power cord out of handle.

b. Remove base assembly – section 1.

c. Disconnect power cord connector at PCB.



d. Remove strain relief from main body and feed power cord out of position.



9. Bag Assembly

a. Pull bag cardboard collar down to release plastic bag dock from connector. Remove paper bag.



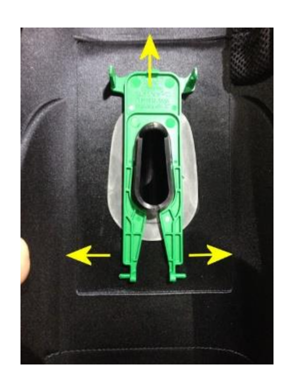
Note: A boss was added to the rear bag dock to prevent usage of unauthorized bags. A notch was added to the bag assembly to allow the bag to be locked into position.



b. Separate bag dock and bag dock rear by pressing inward on bag dock rear to unhinge.



c. Carefully spread forks on bag dock rear and work bag dock rear upward and off of bag duct.



d. Slide bag assembly off unit.

10. Carry Handle

a. Remove screw in carry handle retainer.



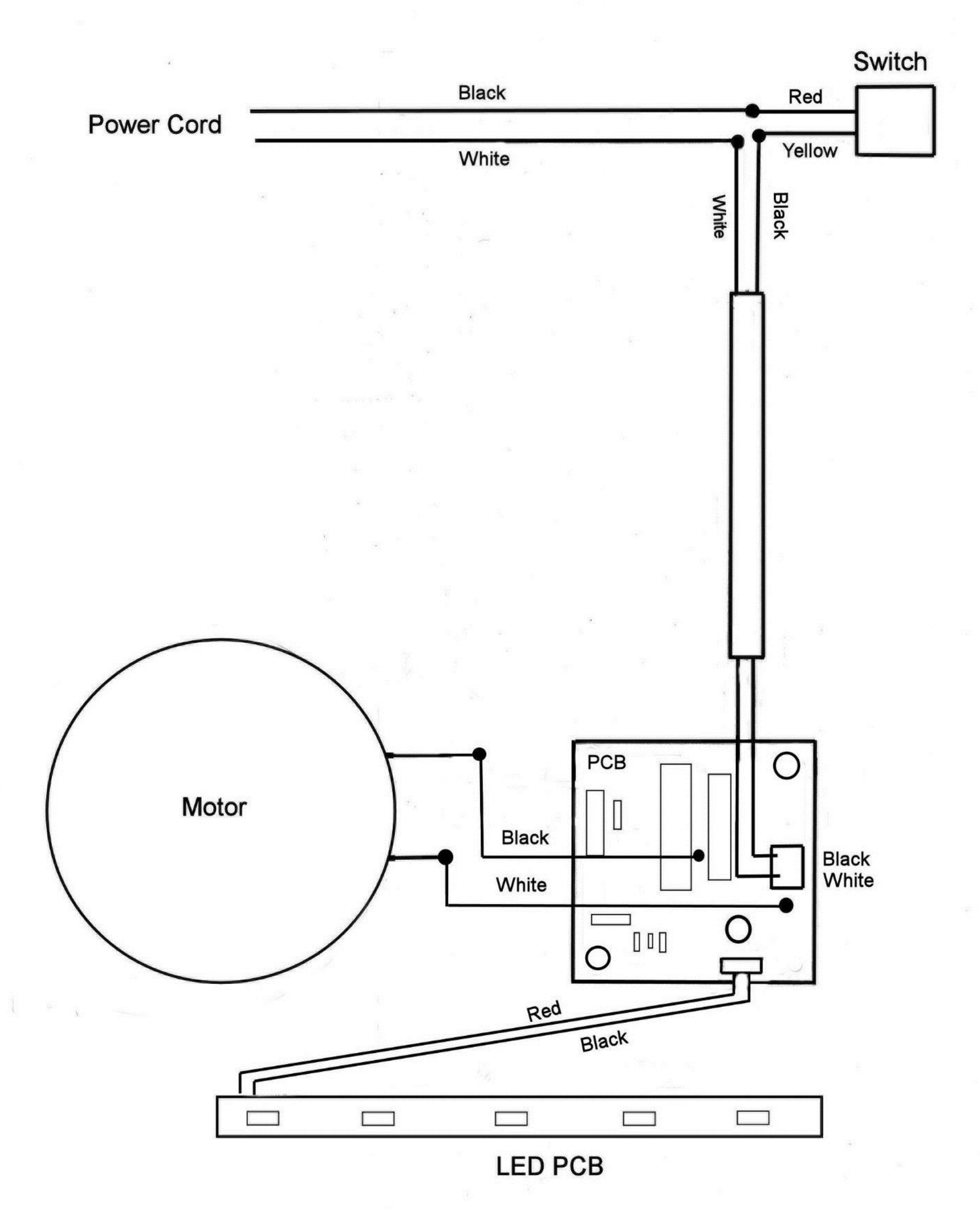
b. Spread handle retainer apart and slide it off of the connector assembly.



c. Remove carry handle – trapped in position by the handle retainer.



11. Wiring Diagram



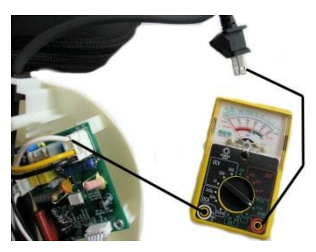
12. Electrical troubleshooting

A. Motor will not run when switch is in the on position.

1. Disconnect the power cord connector from the circuit board.



2. Check for continuity between the ***wide*** blade of the attachment cord and the white connection terminal on the circuit board. This will show continuity regardless of the switch position.

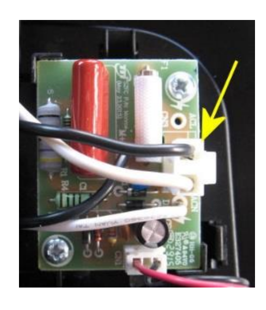


3. Check for continuity between the ***narrow*** blade on the attachment cord and the black connection terminal on the circuit board. This will show continuity when the switch is in the on position and no continuity when the switch is in the off position.

If continuity exists, go to step 4.

If 1 or 2 above show no continuity it indicates a failure of the power cord, the power line cord, or power PCB.

a. Check power line cord by checking for continuity between the white connection terminal on the circuit board and the white lead at the terminal connection in the handle. Check for continuity between the black connection terminal and the black lead wire that connects to the red lead from the switch. If continuity exists go to step 4. If not, replace the power line cord.



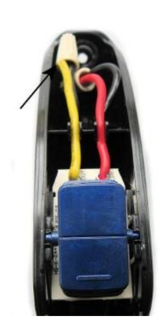




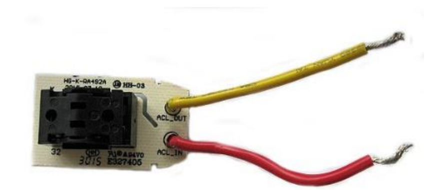
b. Check power cord by checking for continuity between the wide blade on the power cord and the white lead at the terminal connection in the handle and the narrow blade on the power cord to the black lead at the terminal connection in the handle. If continuity exists go to step 4. If not, replace the power cord.







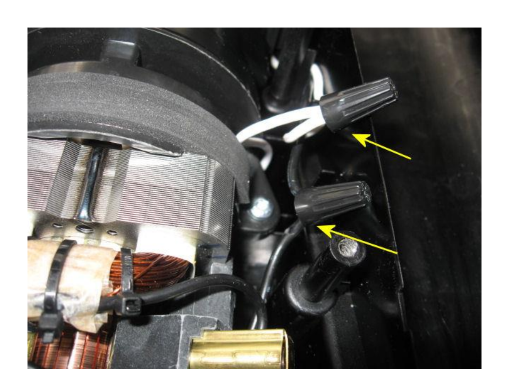
c. Check the power PCB by checking for continuity between the yellow and red lead wires. Cycle the switch and check for continuity. If continuity exists go to step 4. If not, replace the power PCB.



4. Check voltage output from the circuit board.

a. Remove Brushroll and Belt

b. Check for voltage at black and white lead wire connections at motor.



d. Voltage should read 120VAC.   If voltage exists replace motor assembly. If no voltage exists, replace PCB.